

Title (en)
METHOD AND APPARATUS FOR CIRCUIT SWITCHED FALLBACK

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUR DURCHFÜHRUNG EINES RÜCKFALLS ZU EINER LEITUNGSVERMITTLUNG

Title (fr)
PROCÉDÉ, DISPOSITIF DE REPLI À COMMUTATION DE CIRCUITS

Publication
EP 3687220 A1 20200729 (EN)

Application
EP 20162832 A 20100616

Priority
• EP 18187505 A 20100616
• EP 10742877 A 20100616
• US 18764009 P 20090616
• IB 2010001703 W 20100616

Abstract (en)
An access device, comprising at least one hardware processor and a non-transitory computer-readable storage medium coupled to the at least one hardware processor and storing programming instructions for execution by the at least one hardware processor, wherein the programming instructions, when executed, cause the at least one hardware processor to perform operations comprising receiving, at the access device and from a user equipment (UE), a Radio Resource Control (RRC) connection setup complete message, wherein the RRC connection setup complete message includes a Non-Access Stratum (NAS) extended service request, in response to the RRC connection setup complete message, forwarding the NAS extended service request to a Mobility Management Entity (MME), and receiving, at the access device and from the MME, a S1 context setup message, wherein the S1 context setup message identifies a location area that the UE is registered in.

IPC 8 full level
H04W 36/00 (2009.01); **H04W 48/12** (2009.01); **H04W 48/18** (2009.01)

CPC (source: EP KR US)
H04W 36/0016 (2013.01 - EP US); **H04W 36/00222** (2023.05 - EP KR US); **H04W 36/0061** (2013.01 - EP US); **H04W 36/0085** (2018.08 - EP); **H04W 48/08** (2013.01 - EP KR); **H04W 48/12** (2013.01 - EP); **H04W 48/18** (2013.01 - EP); **H04W 60/00** (2013.01 - EP US); **H04W 60/04** (2013.01 - EP); **H04W 68/02** (2013.01 - EP KR); **H04W 76/30** (2018.02 - EP); **H04W 88/06** (2013.01 - EP); **H04W 36/00835** (2018.08 - EP KR US); **H04W 36/0085** (2018.08 - US); **H04W 36/1443** (2023.05 - EP KR US); **H04W 60/04** (2013.01 - US); **H04W 76/30** (2018.02 - US); **H04W 88/06** (2013.01 - US)

Citation (applicant)
US 61187640 P

Citation (search report)
• [Y] 3GPP: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Circuit Switched Fallback in Evolved Packet System; Stage 2 (Release 9)", 3GPP TS 23.272 V9.0.0 (2009-06),, vol. Version 9.0.0, 1 June 2009 (2009-06-01), pages 1 - 50, XP007915561
• [Y] "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (Release 8)", 3GPP STANDARD; 3GPP TS 36.413, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. V8.6.1, 1 June 2009 (2009-06-01), pages 1 - 218, XP050377697
• [Y] "LTE for UMTS: OFDMA and SC-FDMA Based Radio Access", 12 June 2009, WILEY, ISBN: 978-0-47-099401-6, article ANTII TOSKALA ET AL: "LTE Radio Protocols (Chapter 6)", pages: 137 - 163, XP055054236
• [A] "LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 8.1.0 Release 8)", TECHNICAL SPECIFICATION, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI), 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS ; FRANCE, vol. ts_13652301v080100p.pdf, no. V8.1.0, 1 April 2009 (2009-04-01), XP014044247

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2010316034 A1 20101216; **US 8873407 B2 20141028**; CA 2765555 A1 20101223; CA 2765555 C 20151215; CN 102461256 A 20120516; CN 102461256 B 20150311; CN 104602306 A 20150506; CN 104602306 B 20200626; EP 2443868 A1 20120425; EP 2443868 B1 20180808; EP 3062558 A1 20160831; EP 3062558 B1 20181010; EP 3267727 A1 20180110; EP 3267727 B1 20190327; EP 3419333 A1 20181226; EP 3419333 B1 20200401; EP 3687220 A1 20200729; EP 3687220 B1 20211027; EP 3952450 A1 20220209; EP 3952450 B1 20240424; EP 3952450 C0 20240424; ES 2694393 T3 20181220; ES 2732220 T3 20191121; ES 2793573 T3 20201116; ES 2905373 T3 20220408; HK 1209946 A1 20160408; HK 1246560 B 20200515; HU E042485 T2 20190729; HU E049576 T2 20201028; HU E057206 T2 20220428; KR 101551158 B1 20150918; KR 20120030548 A 20120328; KR 20150046381 A 20150429; US 10028178 B2 20180717; US 11039344 B2 20210615; US 11546809 B2 20230103; US 12028755 B2 20240702; US 2012015646 A1 20120119; US 2016037418 A1 20160204; US 2017026877 A1 20170126; US 2018324650 A1 20181108; US 2021045019 A1 20210211; US 2022394564 A1 20221208; US 9554315 B2 20170124; WO 2010146467 A1 20101223

DOCDB simple family (application)
US 81715710 A 20100616; CA 2765555 A 20100616; CN 201080035898 A 20100616; CN 201510075373 A 20100616; EP 10742877 A 20100616; EP 16166377 A 20100616; EP 17186402 A 20100616; EP 18187505 A 20100616; EP 20162832 A 20100616; EP 21196679 A 20100616; ES 10742877 T 20100616; ES 17186402 T 20100616; ES 18187505 T 20100616; ES 20162832 T 20100616; HK 15110477 A 20151026; HK 18105629 A 20180430; HU E17186402 A 20100616; HU E18187505 A 20100616; HU E20162832 A 20100616; IB 2010001703 W 20100616; KR 20127001219 A 20100616; KR 20157009526 A 20100616; US 201113244760 A 20110926; US 201514882290 A 20151013; US 201615285358 A 20161004; US 201816035934 A 20180716; US 202017080456 A 20201026; US 202217888118 A 20220815